

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011002

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16C11/06 B25J17/02 B23Q1/54

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B25J F16C F16H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 099 217 A (WIEGAND ET AL) 8 August 2000 (2000-08-08) column 4, line 32 - line 60; figures 3-5	1,2
A	DE 199 04 702 A1 (INA WAEZLAGER SCHAEFFLER OHG) 10 August 2000 (2000-08-10) abstract; figure 1	1
A	GB 252 499 A (WICHERT HULSEBOS) 3 June 1926 (1926-06-03) figures 3,4	1-9
A	DE 34 00 679 A1 (INA WAEZLAGER SCHAEFFLER KG) 18 July 1985 (1985-07-18) figure	1-9

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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G document member of the same patent family

Date of the actual completion of the international search

11 March 2005

Date of mailing of the international search report

24/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lumineau, S

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6099217	A	08-08-2000	DE 59603026 D1 EP 0868255 A1 WO 9722436 A1 JP 2000502000 T	14-10-1999 07-10-1998 26-06-1997 22-02-2000
DE 19904702	A1	10-08-2000	WO 0045991 A1	10-08-2000
GB 252499	A	03-06-1926	NONE	
DE 3400679	A1	18-07-1985	IT 1181919 B JP 60159460 A	30-09-1987 20-08-1985